

DATA SCIENCES

Innovation
Branding
Solution
Marketing
Analysis
Ideas
Success
Management



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DATA SCIENCE

Foundations :-----10 hours

- Statistics
 - MCT
 - Dispersion
 - Scatter plot
 - Box whisker plot
 - Stem & Leaf plot
- Qualitative ideas of
 - Statistical sampling & inference
 - Hypothesis Testing & t-tests
 - Prerequisites of above ideas(qualitative)
- Terms , Terminology & Notions of Linear Algebra Relevant to DataScience , including Probability

End-to End Machine Learning Practice----- 10 Hours

- PipeLine ideas
 - EDA
 - Feature Creation
 - Evaluation Measures
- Data Analytics Cycle ideas
 - Data Acquisition
 - Data Preparation
 - Data cleaning
 - Data Visualization
 - Model Planning & Model Building
- Respective Performance measures
 - Different Errors
- Parameter Tuning
- Ensemble Methods

Supervised Learning ----- 15 Hours

- Classification methods
 - K-nn
 - Naive Bayes
 - SVM
 - Decision trees
- Regression
 - Linear Regression
 - Logistic Regression

Unsupervised learning

- Clustering
 - K means
 - Association Rules(market basket analysis)

Elementary Ideas of Time series

Text Analytics

- NLP
- TF-IDF

Sentiment Analysis

Recommender Systems

- User based
- Graph based
- Pattern based

Random forests

Neural Networks & Deep Learning & Technologies ---- 15 Hours

Overview of

- TensorFlow
- Keras
- theano

Introduction ANN

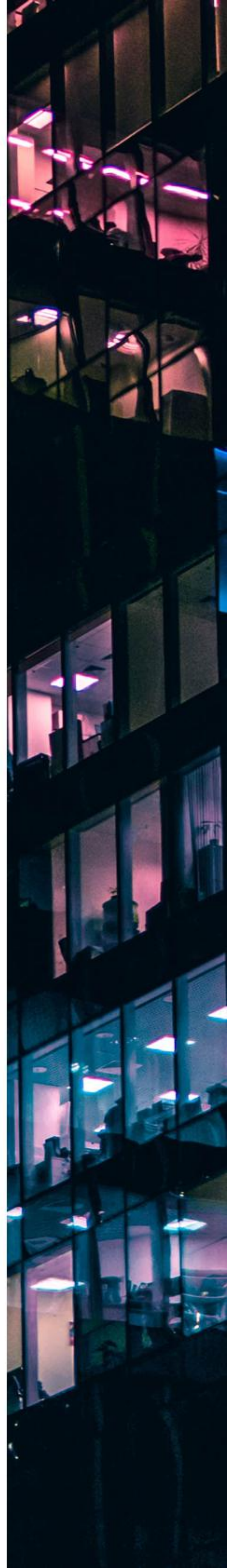
Training Deep neural nets

Convolutional NeuralNets

Recurrent neural nets

AutoEncoders

Reinforcement Learning



"WHERE INNOVATION
MEETS TECHNOLOGY"



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